



Winflex

**Category:** Renewable energy.

**Sub Category:** Wind turbines.

## Company profile

Winflex is a wind turbine development and manufacturing company. Our product is based on proven, patented technology, providing cost effective solution for utilization of wind energy at costs lower than of fossil fuel energy sources.

The key of Winflex technology is the turbine rotor, made out of light flexible and inexpensive composite material fabric. As a result the rotor is 20 times lighter than rotors designed by most advanced technologies on the market, causing a chain effect on the whole structure.

**Year of establishment:** 1.1.2009

**Number of employees:** 15

## Background on the company

Winflex is in a second stage of a ten year development led by Dr. Kliatzkin, company's CTO and the inventor of the technology. Winflex is supported by Israeli Ministry of infrastructure and the Ministry of Commerce and Industry. Previous development stage was interrupted by sudden death of the companies owner. During that development period a prototypes of 10KW and a 200KW have been built and tested connected to grid for two years. Winflex was established to industrialize the technology and produce wind turbines first in a range of 100-500 kw and at second stage in Mega scale range.

Dr. Kliatzkin has over forty years of experience in leading R&D projects, structural & energetic improvements of vehicles and avionic products. Eliezer, the CEO gained his managing experience at Unibatt, a R&D company in a field of energy storage. Doron Spitz, company's management consultant serves as CEO of Unibatt and has managing experience as director of vehicle production companies and a research institute.

## Examples of projects:

The company has no previous projects. The Management team members have 15 years of collaboration. Each of the members led industrial & R&D projects. Examples of projects: led by team members:

- Development of wind turbine and full CAD-CAM system.
- Development of innovative rechargeable storage systems and development of manufacturing process.
- Enchasing Dynamic and structural parameters of transport platforms.
- Structural analysis of avionic and land transport platforms.
- Consultancy on energetic issues for avionic projects, gas turbines, fuel cells.

## Technology & product(s)

### General description:

1. A 130 kw turbine model is in a beta site stage.
2. A megawatt scale model is in development.

### Function of the product(s):

Production of electricity

## Objectives / Target companies:

Winflex is aiming to become a leading producer of wind turbines in a range of 100-500Kw, and significant player at the Mega scale market in 5 years. The first models are planned for the Israeli market new regulations and subsidized rate of 1.29 ILS/kwh(0.3\$). A combination of low installation cost and high rates for produced energy sums to an ROI of 3 yrs. Estimated time to market is 18 month.

The company proceeds with developing the technology for mega scale turbines, starting at 1 Mw and rising above 5 Mw.

The company is raising complementary funding of 550K\$ from strategic partners for industrialization of the medium range turbines and at second stage, 3.5M\$ for the Mega scale project.